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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/831,214	08/08/2001	Alexander Rollo Spowart	MURG/0004	2795
7590	10/03/2003		EXAMINER	
Gregory J. Lavorgna Esq. Drinker Biddle & Reath, LLP One Logan Square 18th & Cherry Streets Philadelphia, PA 19103-6996			TUCKER, PHILIP C	
			ART UNIT	PAPER NUMBER
			1712	(B)
			DATE MAILED: 10/03/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.	SPOWART, ALEXANDER ROLLO	
09/831,214		
Examiner Philip C Tucker	Art Unit 1712	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) Responsive to communication(s) filed on \_\_\_\_\_.  
2a) This action is FINAL.      2b) This action is non-final.  
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) Claim(s) 1-8 and 10-19 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.  
5) Claim(s) \_\_\_\_ is/are allowed.  
6) Claim(s) 1-8 and 10-19 is/are rejected.  
7) Claim(s) \_\_\_\_ is/are objected to.  
8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) The specification is objected to by the Examiner.  
10) The drawing(s) filed on \_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
11) The proposed drawing correction filed on \_\_\_\_ is: a) approved b) disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.  
12) The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) All b) Some \* c) None of:  
1. Certified copies of the priority documents have been received.  
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.  
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) The translation of the foreign language provisional application has been received.  
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) Notice of References Cited (PTO-892)  
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.  
4) Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.  
5) Notice of Informal Patent Application (PTO-152)  
6) Other: \_\_\_\_\_

### DETAILED ACTION

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1-8, 10-19 are rejected under 35 U.S.C. 102(b) based upon a public use or sale of the invention. The invention was sold to the Bank of England Printing Works by Quantum Glass of whom the inventor was a former employee, as noted in the copy of the purchase order. The invention was thus in public use, and must have been described in a printed publication for it to be sold.

3. Claims 1-8, 10-19 are rejected under 35 U.S.C. 102(a) as being anticipated by the sale of the invention in England, wherein a printed publication must have been used in the sale, and as such knowledge of the invention would clearly be within the scope of being obtained by artisans in this country.

4. An issue of public use or on sale activity has been raised in this application. In order for the examiner to properly consider patentability of the claimed invention under 35 U.S.C. 102(b), additional information regarding this issue is required as follows: Any information which applicant has regarding the sale or public use of the invention, while he was an employee of Quantum Glass.

Applicant is reminded that failure to fully reply to this requirement for information will result in a holding of abandonment.

5. Claims 1-3, 11, 16 and 17 are rejected under 35 U.S.C. 102(e) as being anticipated by Voets (6114077).

Voets teaches a micronized toner composition which can be used in security printing, which comprises titanium oxide fused in a polymer, wherein the opacity (transmission) is utilized as an indicator toward visible light (column 5, lines 15-38 and Examples). No stimulated output is taught by such particles.

6. Claims 17-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Langley et al (3951672).

Langley teaches a glass which is fused and micronized which comprises a lead compound as in the present invention (see Example 1). No stimulated output is taught by such particles. Applicants intended use as a dopant in a security document does not distinguish (In re Pearson 181 USPQ 641).

7. Applicants arguments and amendments have been considered, and have been deemed persuasive with respect to the applied prior art. With respect to the on sale use, a purchase order showing that the current invention was on sale at least a year prior to the application for such invention is enclosed. The Quantum Glass purchase order shows a date of April 21, 1997 which is at least a year prior to applicants application for the invention. Other new rejections are presented.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip C Tucker whose telephone number is 703-308-0529. The examiner can normally be reached on Monday - Friday, Flexible schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Dawson can be reached on 703-308-2340. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0651.



Philip C. Tucker  
Primary Examiner  
Art Unit 1712

PCT-2878